

Converting Colors

`RYB(159, 240, 165)`

Have a look what the booklet for
RYB(159, 240, 165) contains.

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Color

R_YB(159, 240, 165)

Conversions

Conversions Part 1

Format	Color
Hex	EAFO9F
RGB	234, 240, 159
RGB Percent	92%, 94%, 62%
CMY	0.0824, 0.0588, 0.3765
CMYK	0.03, 0.00, 0.34, 0.06
HSL	64°, 73%, 78%
HSV	64°, 34%, 94%
XYZ	71.3498, 82.3158, 44.9289
YIQ	228.9720, 22.4250, -26.4630

Conversions

Conversions Part 2

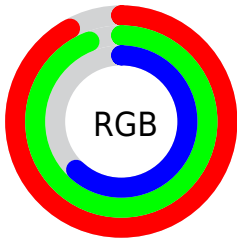
Format	Color
RYB	159, 240, 165
Decimal	15397023
CIELab	92.71, -14.18, 38.54
CIELCh	93, 41.066, 110.197
Yxy	82.3158, 0.3593, 0.4145
Android (android.graphics.Color)	4293587103 (0xFFEAF09F)
YUV	228.9720, -34.4962, 4.4096
Hunter-Lab	90.7281, -18.3993, 34.1490

Details

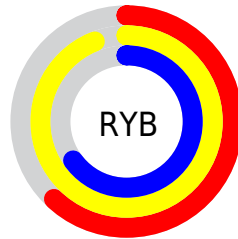
The RYB color **159, 240, 165** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **165, 159, 240**, and the grayscale version is **229, 229, 229**.

A 20% lighter version of the original color is **214, 255, 214**, and **106, 184, 113** is the 20% darker color. If you saturate the color by 10%, you get **135, 240, 143**, and if you desaturate by 10%, it is **183, 240, 187**.

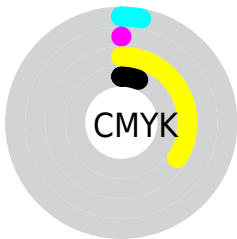
Distribution



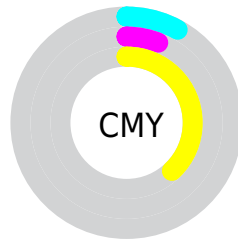
- Red (92%)
- Green (94%)
- Blue (62%)



- Red (62%)
- Yellow (94%)
- Blue (65%)



- Cyan (3%)
- Magenta (0%)
- Yellow (34%)
- Black (6%)



- Cyan (8%)
- Magenta (6%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 240, 165 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 159, 240, 165 by changing the saturation by 10% instead.

 159, 240, 165

255, 255, 255


 214, 255, 214


 243, 255, 243

 159, 240, 165

 132, 212, 139

 106, 184, 113


 81, 157, 88


 57, 131, 65

 32, 106, 41

 5, 82, 15

 0, 59, 10

 0, 37, 13


 0, 17, 17

 159, 240, 165

 159, 240, 165

 135, 240, 143

 183, 240, 187

 111, 240, 121

 207, 240, 209

 87, 240, 98

 231, 240, 232

 63, 240, 76

 241, 240, 255

 39, 240, 54

 243, 240, 255

 15, 240, 32

 245, 240, 255

 0, 240, 18

 246, 240, 255

 248, 240, 255

 250, 240, 255

Harmonies

Analogous

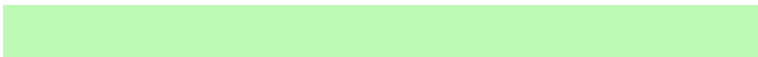
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



195, 255, 156



159, 240, 165



182, 250, 243

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



159, 240, 165



109, 181, 255



255, 205, 249

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



159, 240, 165



165, 159, 240

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 215, 255



159, 240, 165



161, 205, 255

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



159, 240, 165



104, 180, 255



221, 227, 255



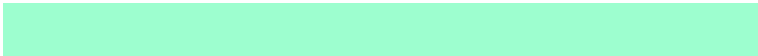
255, 205, 209

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



159, 240, 165



157, 221, 254



221, 227, 255



255, 208, 255

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



159, 240, 165



230, 255, 232



240, 164, 159



112, 128, 114



0, 0, 0



128, 128, 128

Same Dimension

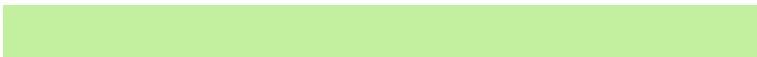
The Same Dimension uses a secret algorithm to generate beautiful new colors.



159, 240, 165



150, 255, 158



159, 240, 205



108, 120, 109



0, 184, 14



0, 56, 4

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



165, 159, 240



158, 150, 255



205, 159, 240



109, 108, 120



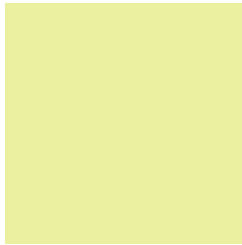
14, 0, 184



4, 0, 56

Previews

White Background



This preview shows how the RYB color 159, 240, 165 looks on a white background.

Color Contrast Check

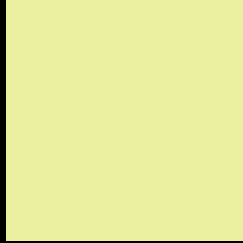
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 159, 240, 165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

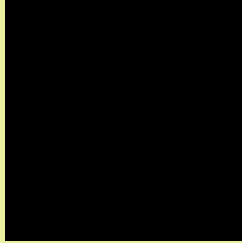
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 159, 240, 165 Background



This preview shows how black text looks on a background with the RYB color 159, 240, 165.

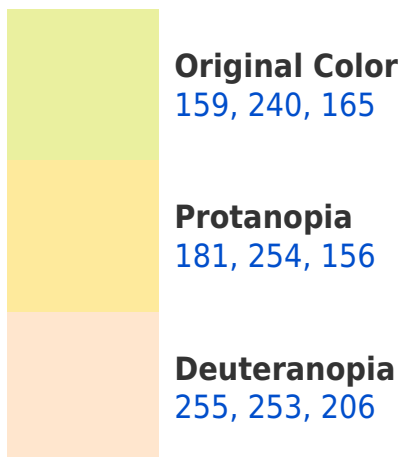


This preview shows how white text looks on a background with the RYB color 159, 240, 165.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy

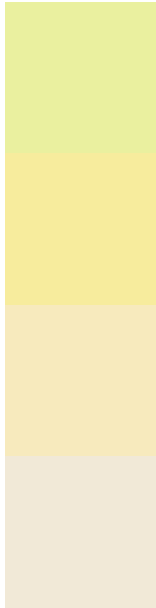




Tritanopia

245, 229, 247

Trichromacy



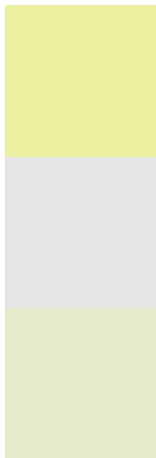
Original Color
159, 240, 165

Protanomaly
170, 247, 157

Deuteranomaly
206, 247, 189

Tritanomaly
227, 241, 215

Monochromacy



Original Color
159, 240, 165

Achromatopsia
229, 229, 229

Achromatomaly
204, 233, 206

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 240, 165 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(234, 240, 159) looks like.

```
.text, #text, p{  
    color:rgb(234, 240, 159)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(234, 240, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 240, 159) }
```

Border

The CSS property to change the border of an element to RYB 159, 240, 165 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(234, 240, 159) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(234, 240, 159) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(234, 240, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 240, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 240, 159);  
box-shadow:4px 4px 4px 4px rgb(234, 240,  
159) }
```

Background

The CSS property to change the background color of an element to RYB 159, 240, 165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 240, 159) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(234,  
240, 159) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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